

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17164 - L2 Version 1
Chandra X-Ray Center

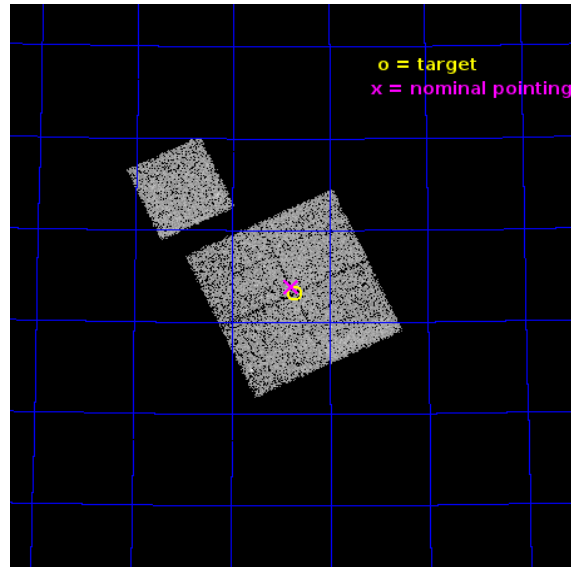
L2 Processing Date : Jul 29 2015

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1 Front

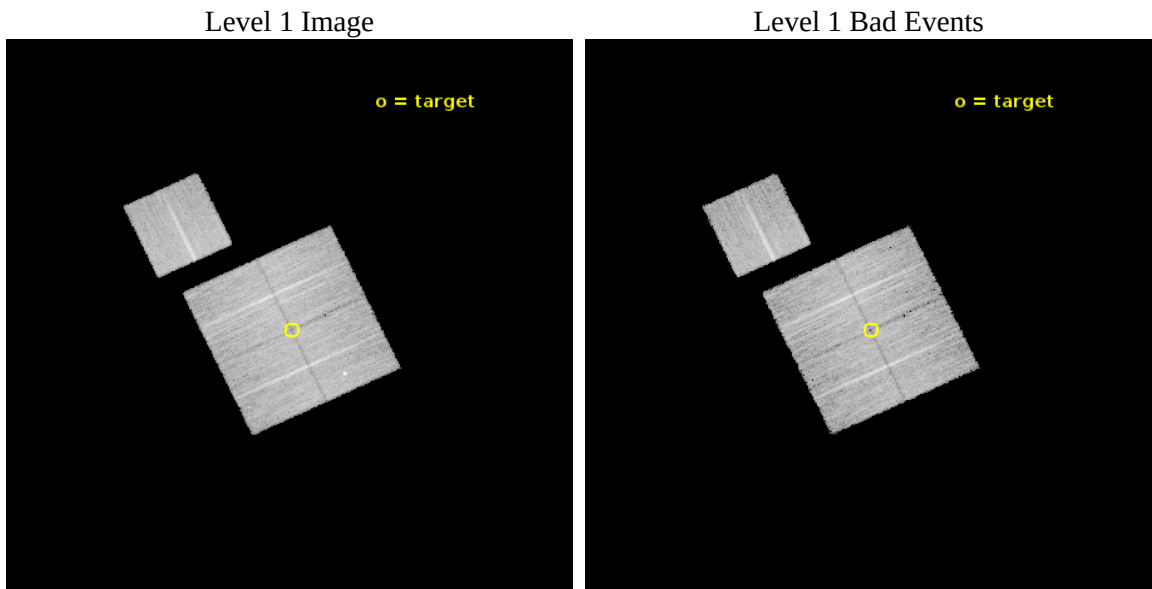
seq_num	801452	Sequence number
obs_id	17164	Observation id
title	Search for the outer boundary of the starburst galaxy: M82	Proposa
observer	Dr Ka-Wah Wong	Principal investigator
object	M82 N1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.67875	Observer's specified target RA [deg]
dec_targ	70.053667	Observer's specified target Dec [deg]
ra_nom	148.696699722	Nominal RA [deg]
dec_nom	70.064570773376	Nominal Dec [deg]
roll_nom	334.65097941792	Nominal Roll [deg]
revision	1	Processing version of data
ontime	16079.700123787	Sum of GTIs [s]
livetime	15869.607003967	Livetime [s]
ontime0	16079.700123787	Sum of GTIs [s]
ontime1	16079.700123787	Sum of GTIs [s]
ontime2	16079.700123787	Sum of GTIs [s]
ontime3	16076.559153557	Sum of GTIs [s]
ontime6	16079.700123787	Sum of GTIs [s]
l2events	41326	Number of level 2 events



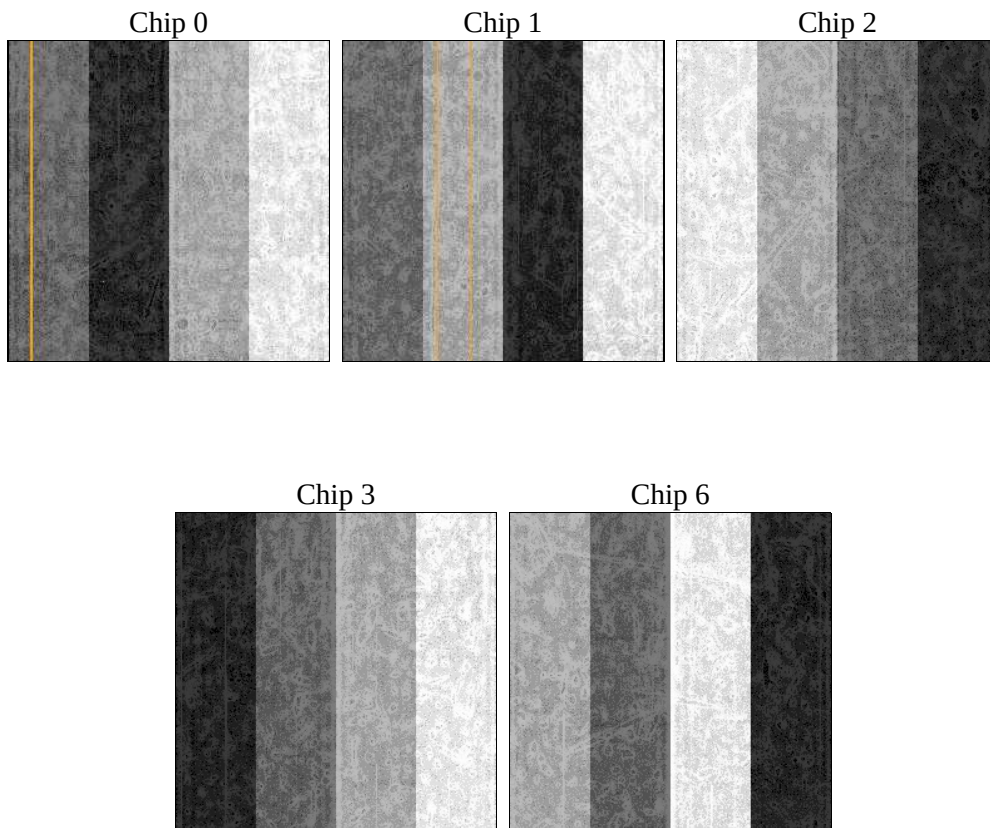
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16000.233000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	16079.700123787	Sum of GTIs [s]
caldbver	4.6.8	 	ontime0	16079.700123787	Sum of GTIs [s]
date	2015-07-29T15:23:03	Date and time of file creation	ontime1	16079.700123787	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	16079.700123787	Sum of GTIs [s]
			ontime3	16076.559153557	Sum of GTIs [s]
			ontime6	16079.700123787	Sum of GTIs [s]
			l1events	412722	Number of level 1 events

2.1.4 Events

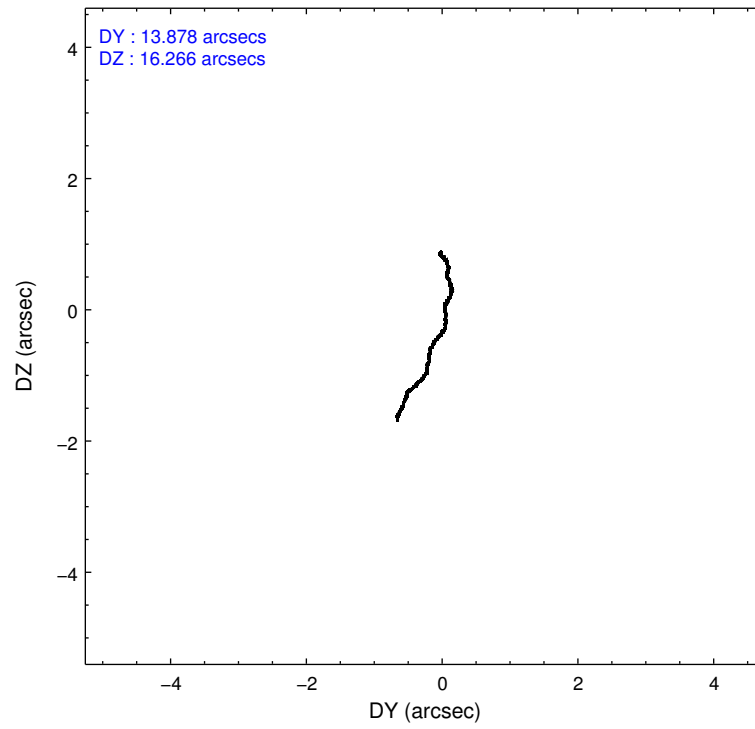
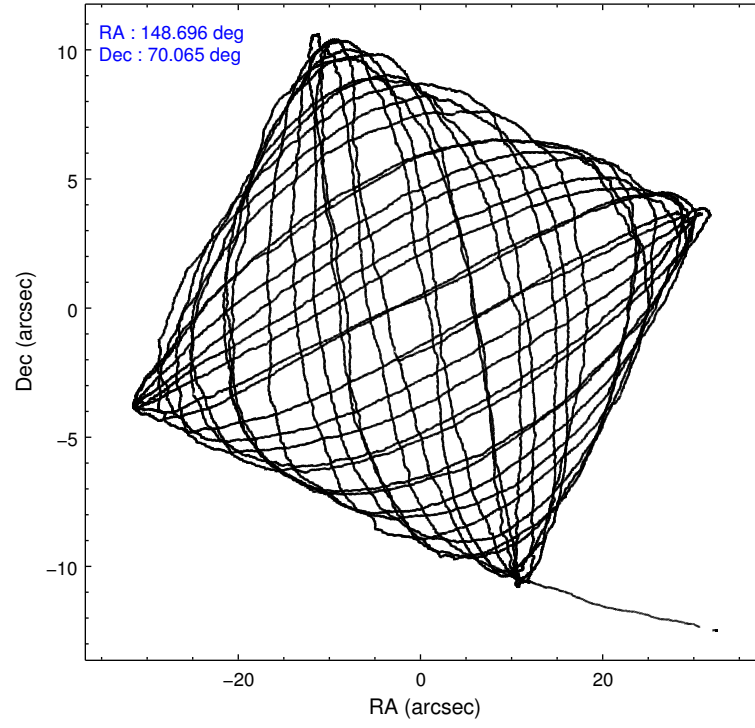
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	80400	79687	86227	83448	82960
rejected events	70656	68085	76760	74199	73174
rejected %	87%	85%	89%	88%	88%

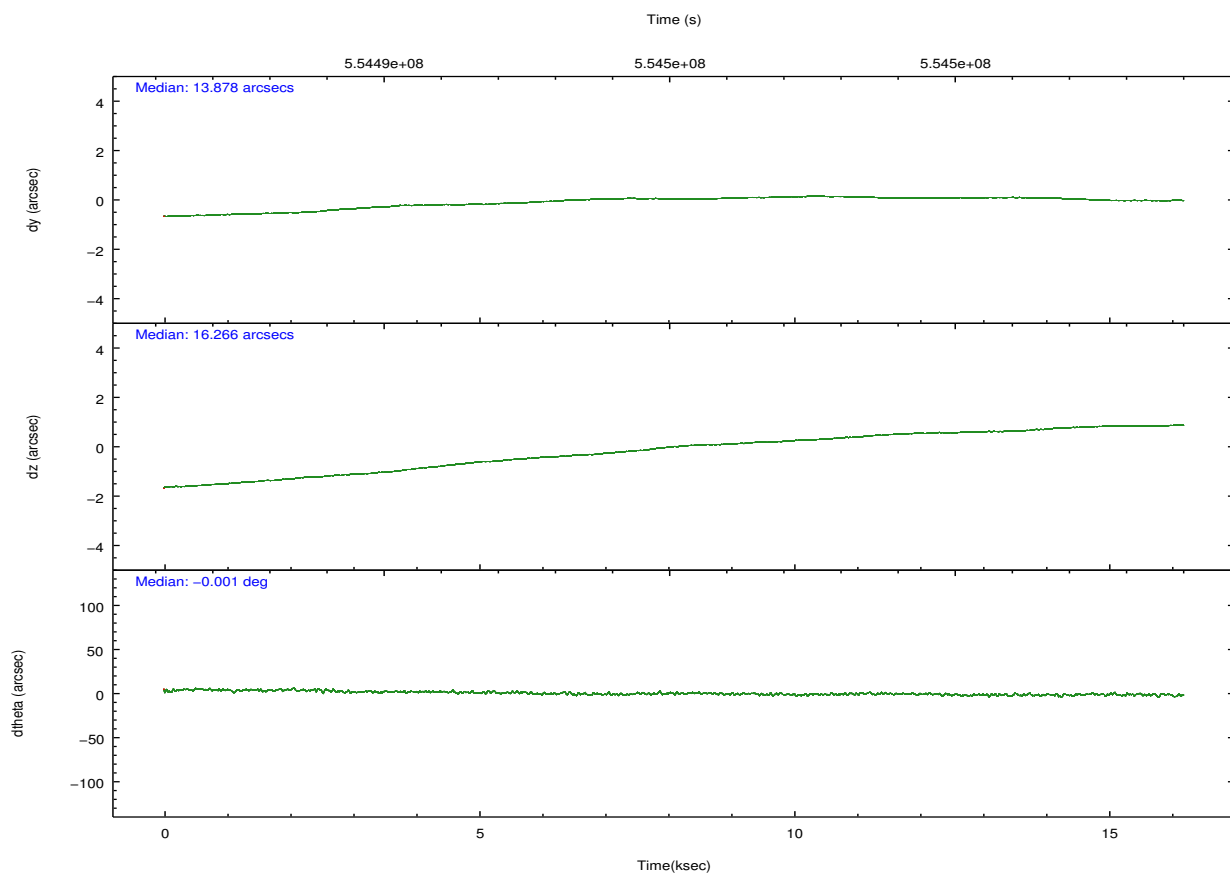
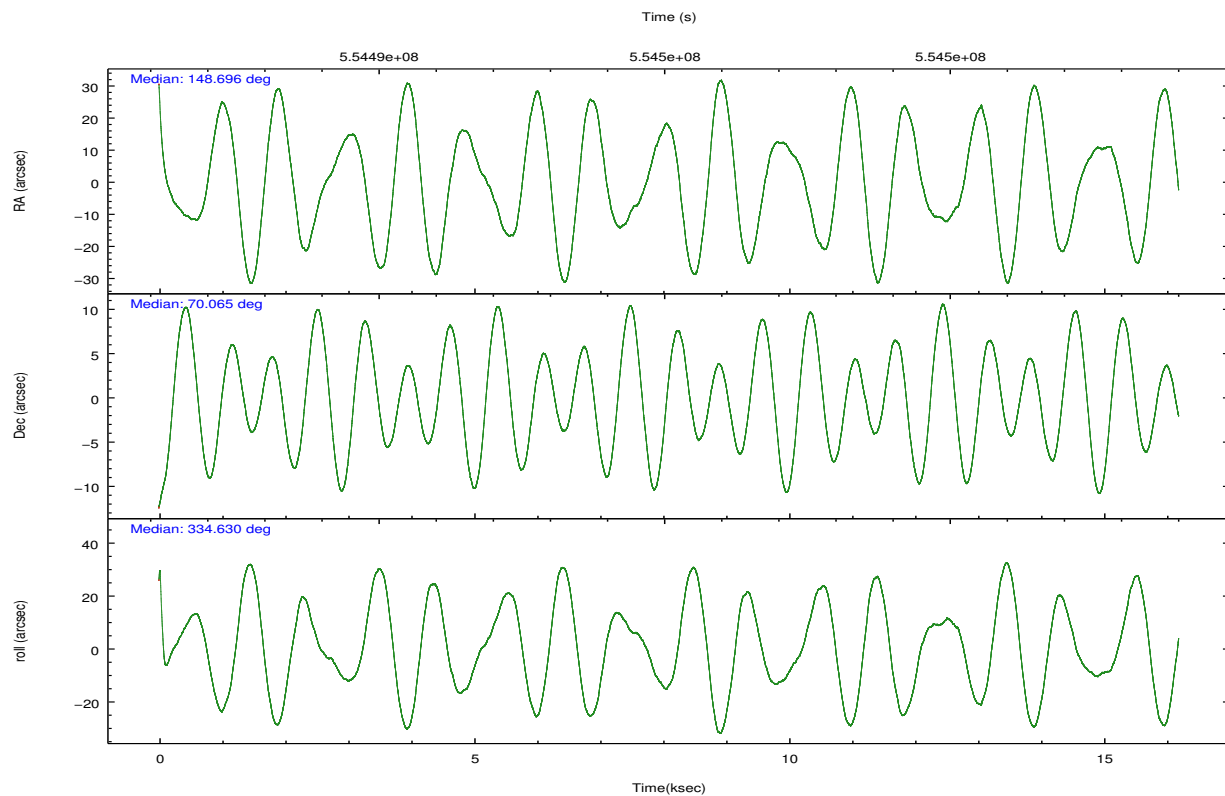
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3244	4551	3334	3312	3174
	4%	5%	3%	3%	3%
grade 1 events	52	38	68	66	38
	0%	0%	0%	0%	0%
grade 2 events	2488	2703	2318	2065	2278
	3%	3%	2%	2%	2%
grade 3 events	1035	986	944	959	990
	1%	1%	1%	1%	1%
grade 4 events	997	1020	940	993	945
	1%	1%	1%	1%	1%
grade 5 events	3822	4029	3604	4277	4132
	4%	5%	4%	5%	4%
grade 6 events	1983	2345	1933	1924	2401
	2%	2%	2%	2%	2%
grade 7 events	66779	64015	73086	69852	69002
	83%	80%	84%	83%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	148.615997	148.6966997219966	Subarray requested	NONE	NONE
[deg] Pointing Dec	70.062226	70.06457077337603	Alternating exposures requested	N	N
[deg] Pointing Roll	334.518105	334.6509794179241	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	554487148.184000	554486063.93712			
Observation start date	2015-07-28T16:11:20	2015-07-28T15:54:23			
[s] Observation end time (MET)	554503148.184000	554503380.8006001			
Observation end date	2015-07-28T20:38:00	2015-07-28T20:43:00			
Read mode	TIMED	TIMED			

2.3 Aspect



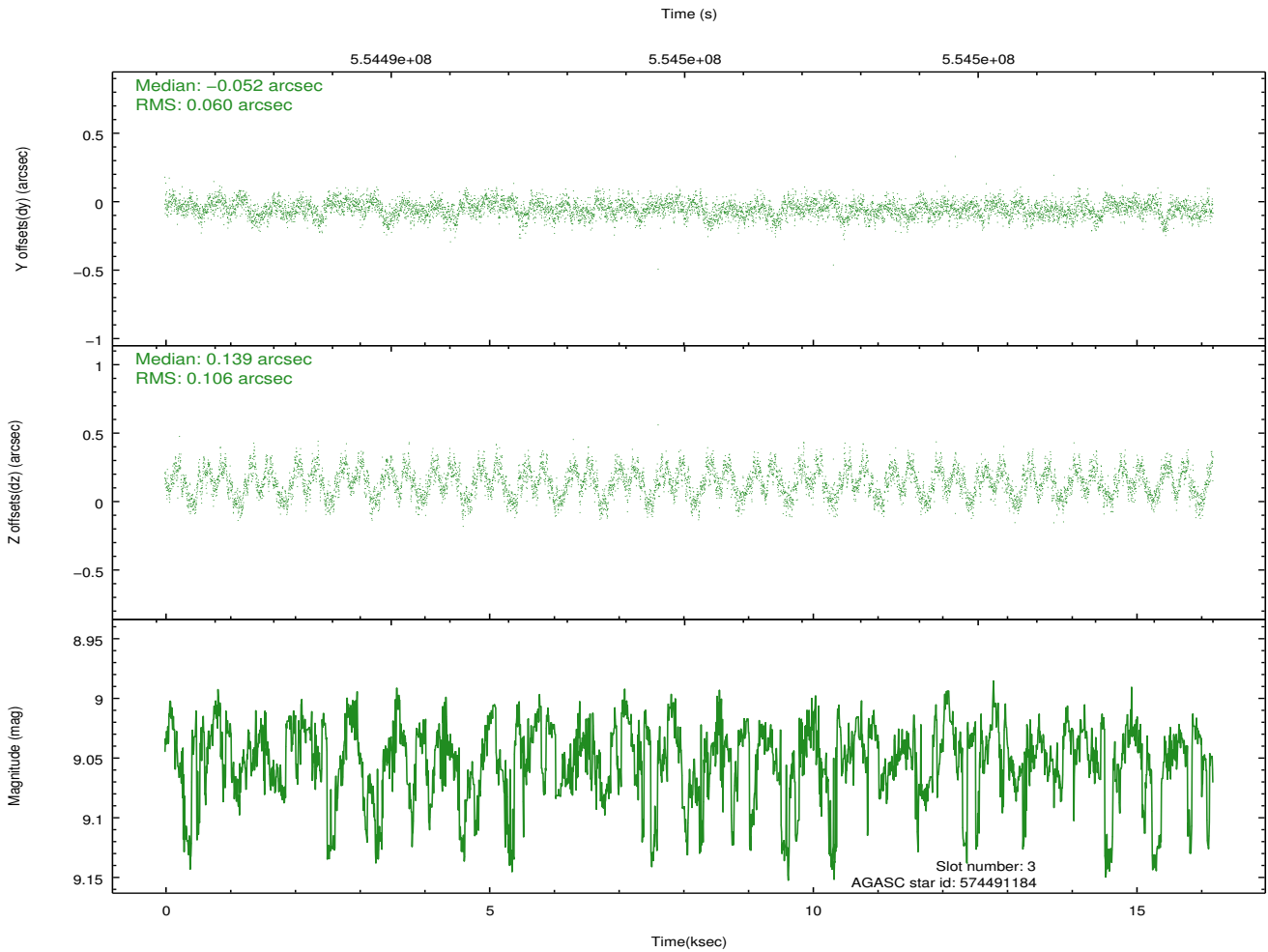
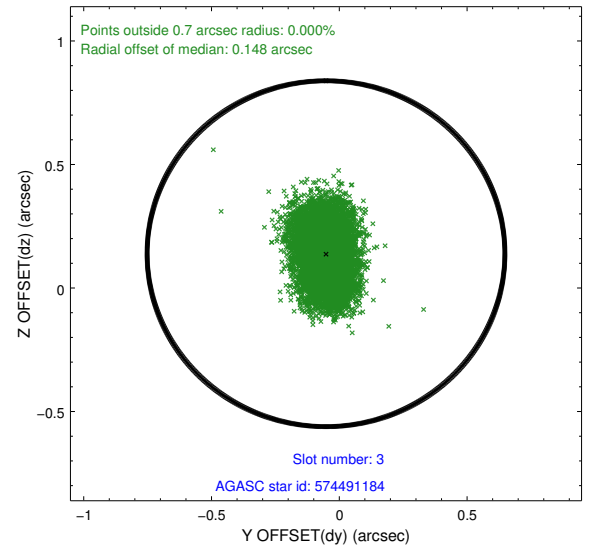
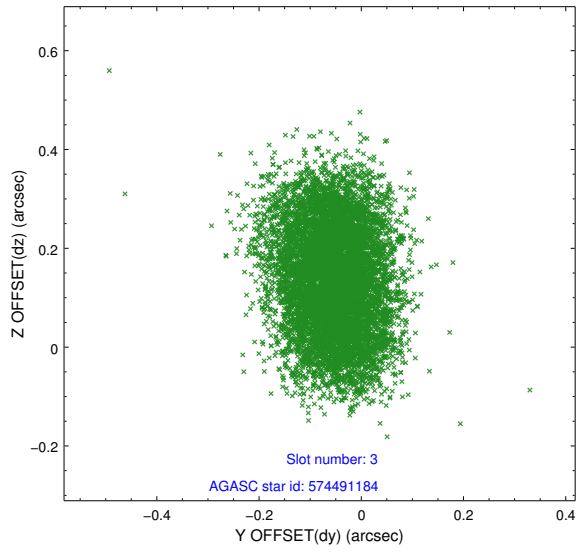


Slot Statistics

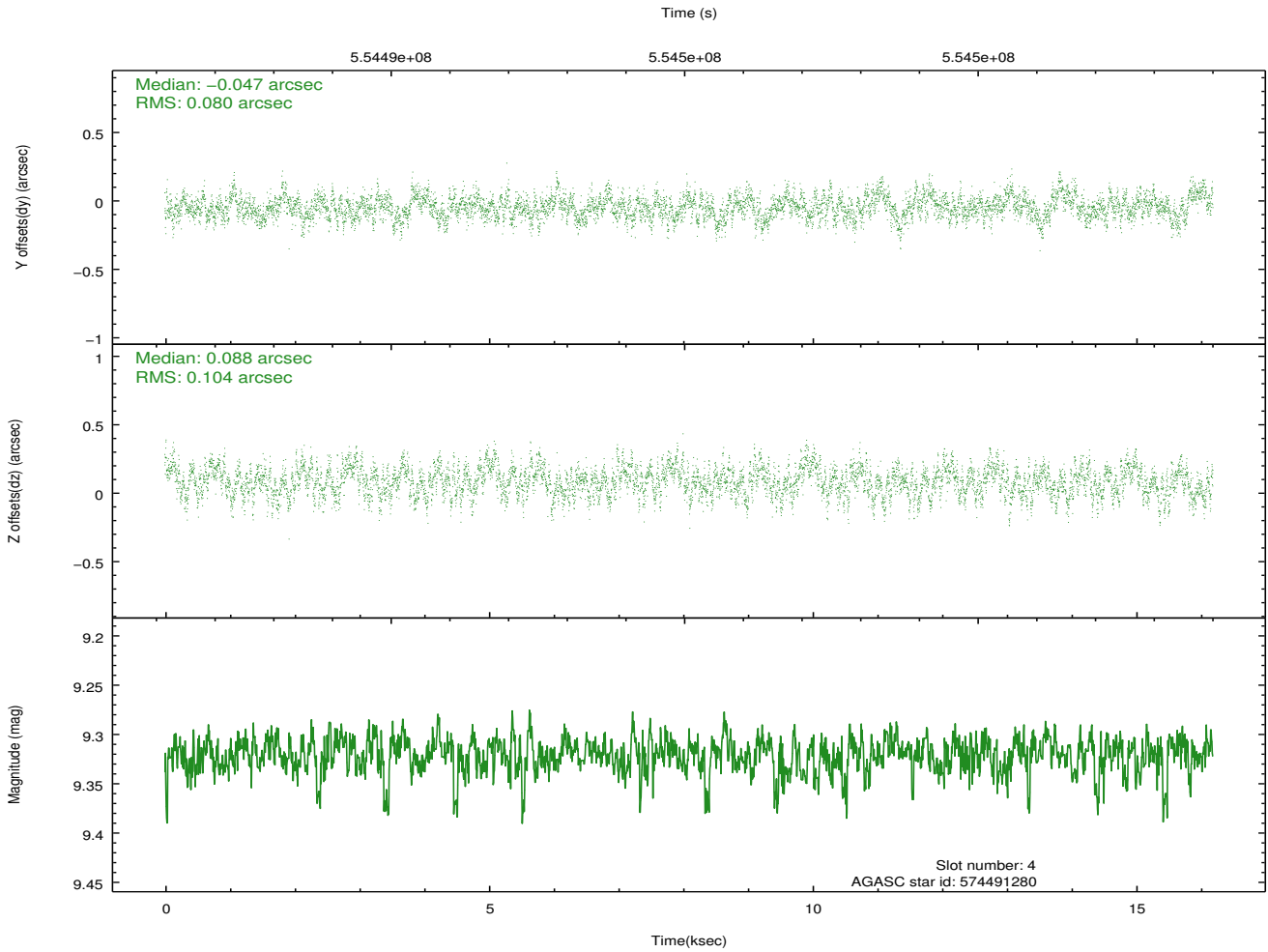
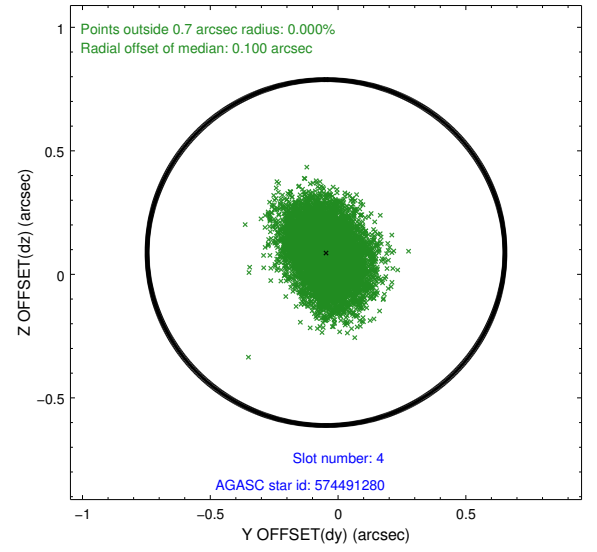
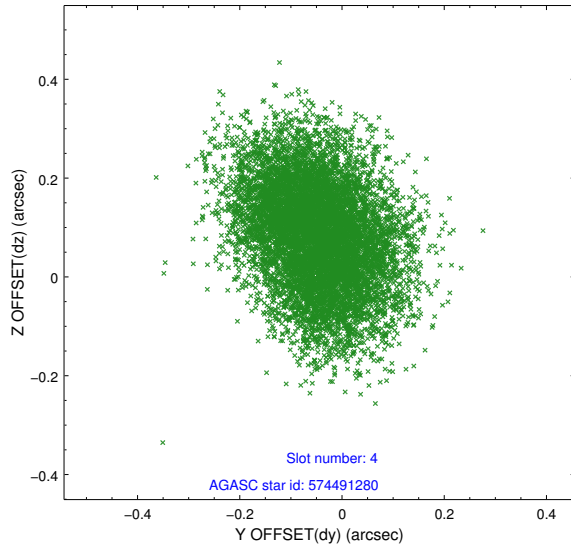
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.17	3950	-0.024	-0.039	0.029	0.095	0.000000	0.000000	925.68	-839.74
1	FID		ACIS-I-2	7.08	3950	-0.249	-0.092	0.013	0.038	0.000000	0.000000	-768.48	-846.37
2	FID		ACIS-I-4	7.06	3950	0.173	0.195	0.024	0.058	0.000000	0.000000	2145.67	1060.11
3	GUIDE	used	574491184	9.05	7892	-0.052	0.139	0.133	0.209	148.582453	69.768699	417.71	-971.19
4	GUIDE	used	574491280	9.32	7891	-0.047	0.088	0.140	0.226	148.611567	69.450135	943.16	-1993.16
5	GUIDE	used	574491872	9.24	7896	0.212	0.266	0.110	0.184	147.207613	69.765453	-1128.82	-1705.41
6	GUIDE	used	574885216	8.48	7897	0.032	-0.088	0.097	0.164	147.834547	70.411352	-1394.65	733.85
7	GUIDE	used	574886496	8.48	7898	-0.141	-0.408	0.113	0.181	148.945563	70.041136	397.66	107.12

2.4 Star Slots

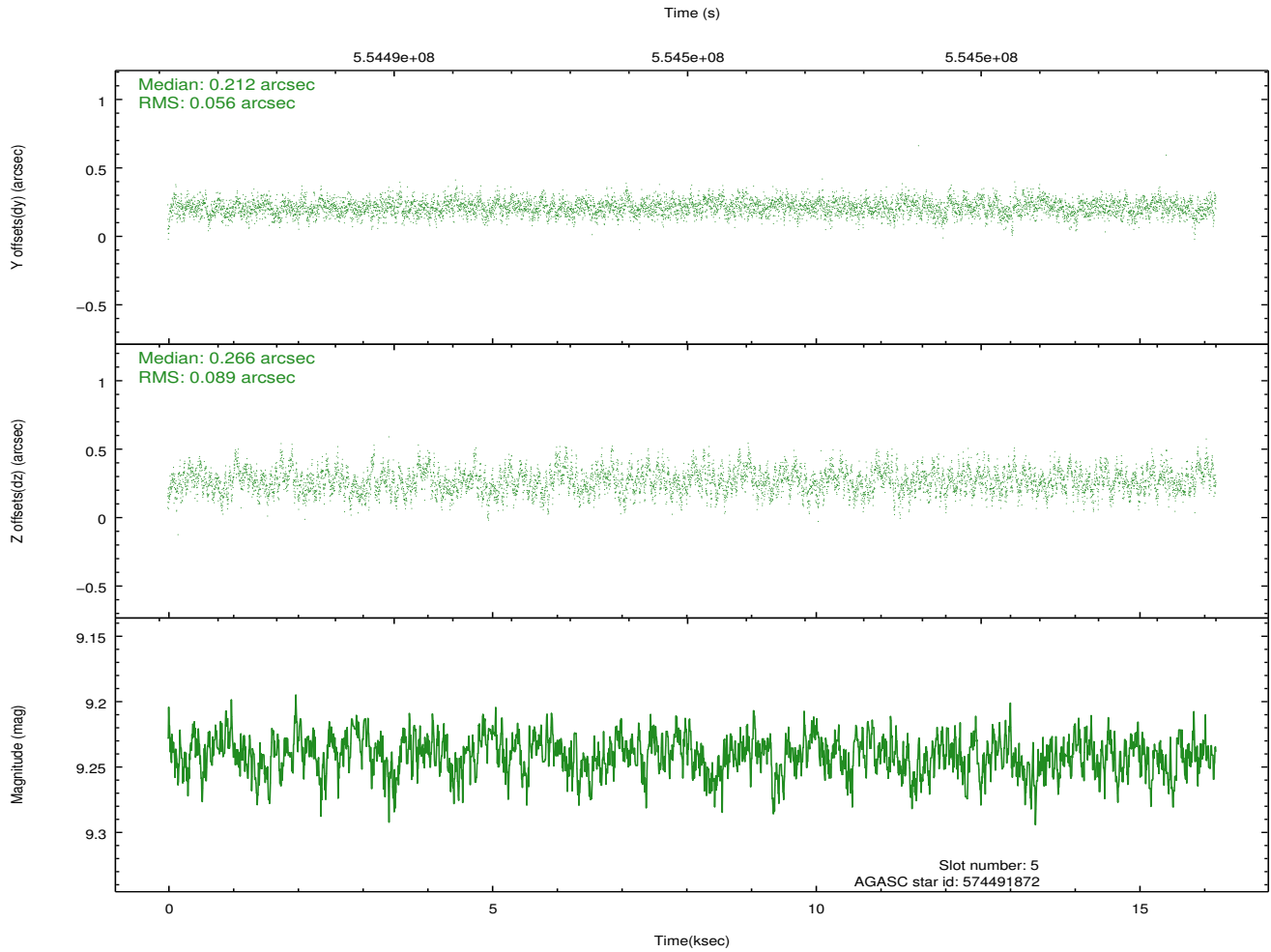
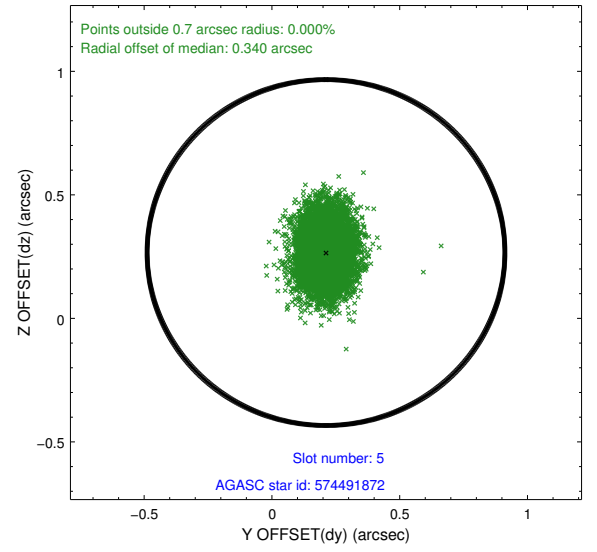
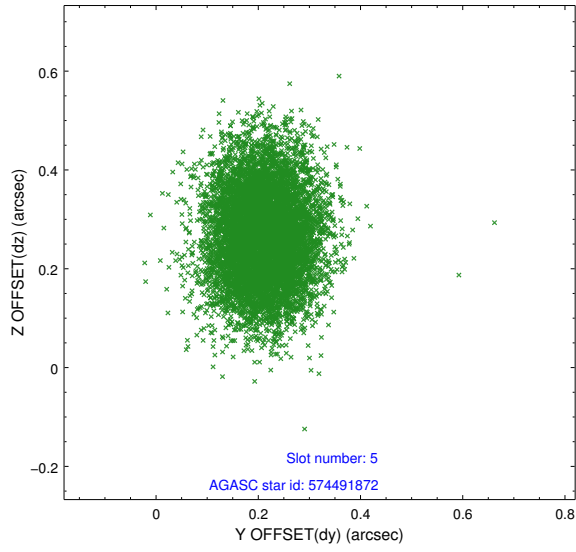
2.4.1 Slot 3



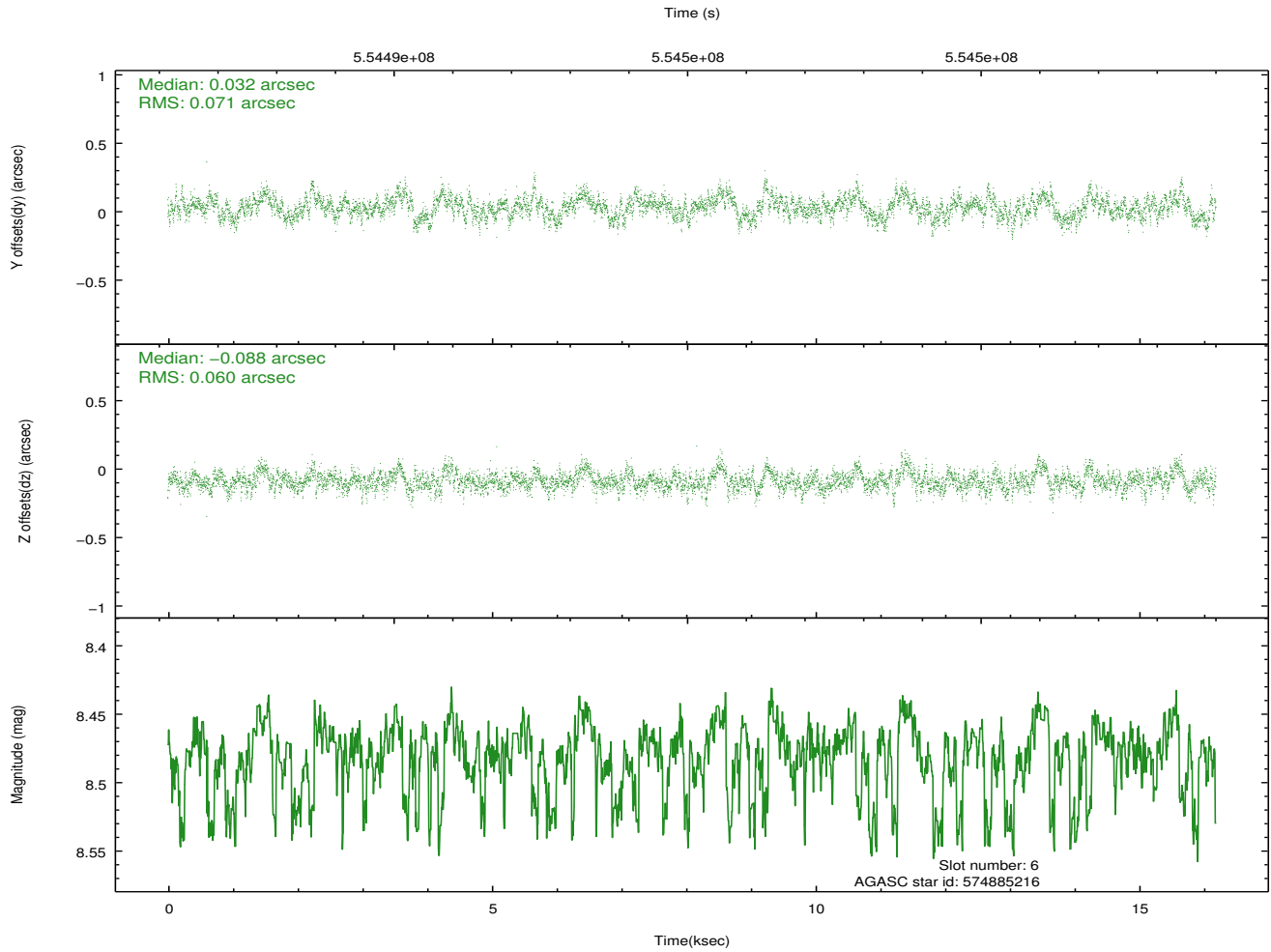
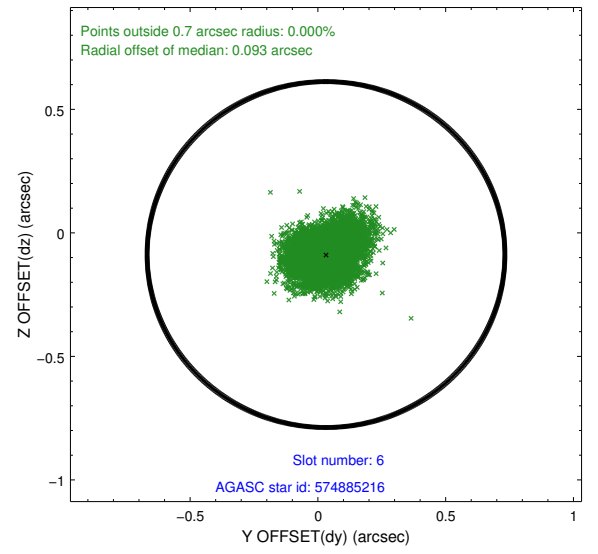
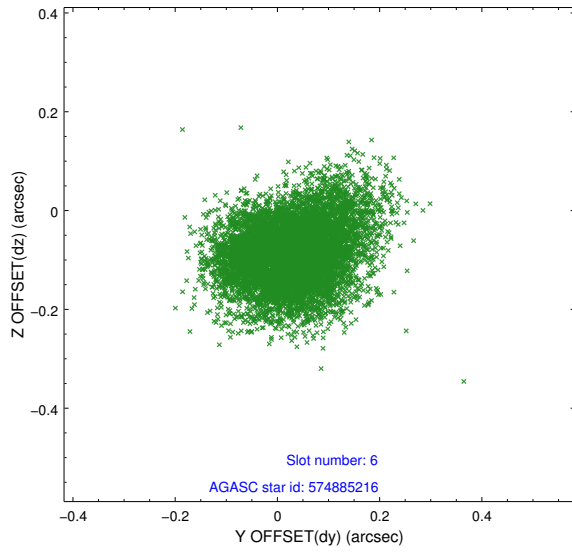
2.4.2 Slot 4



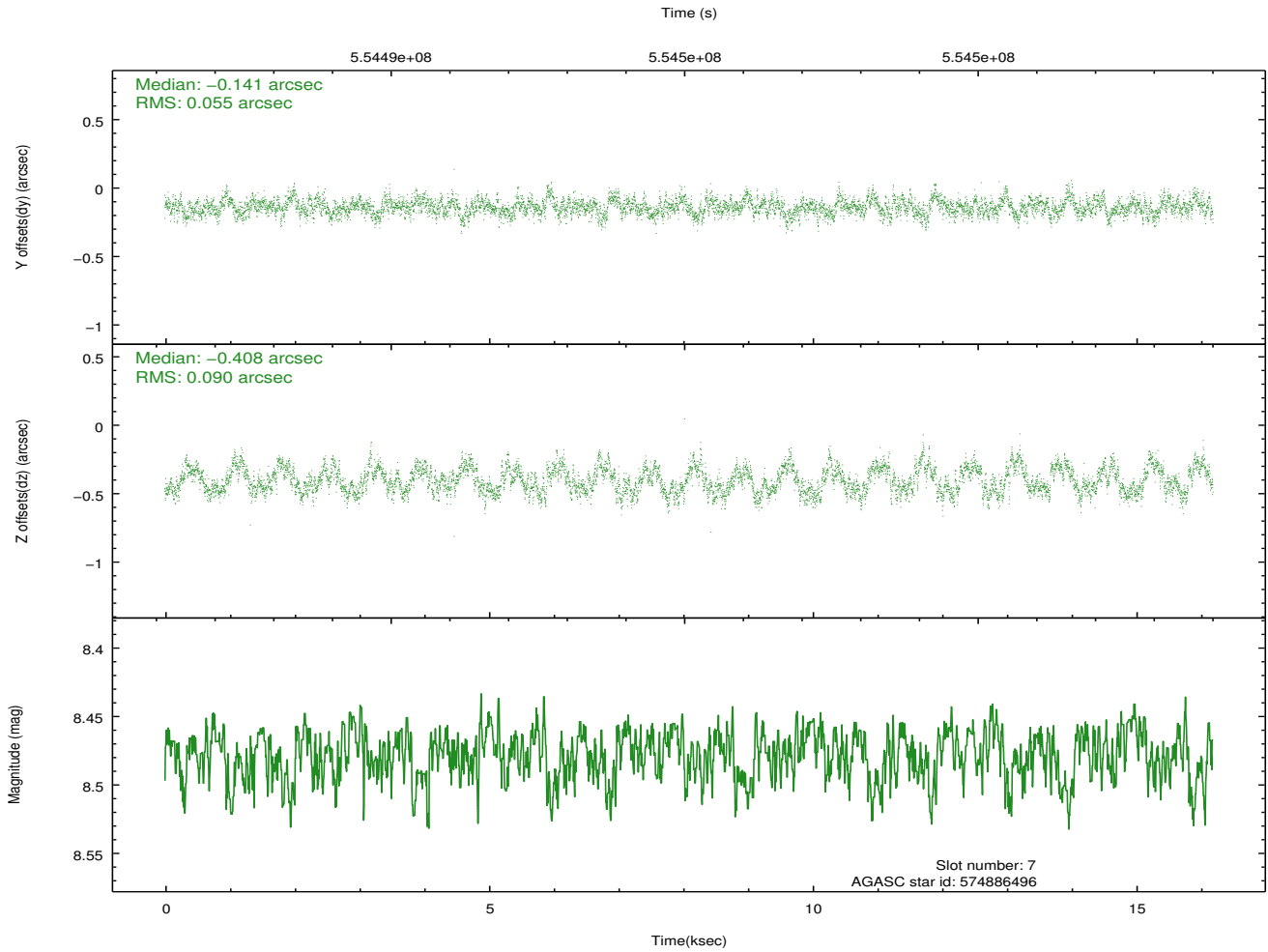
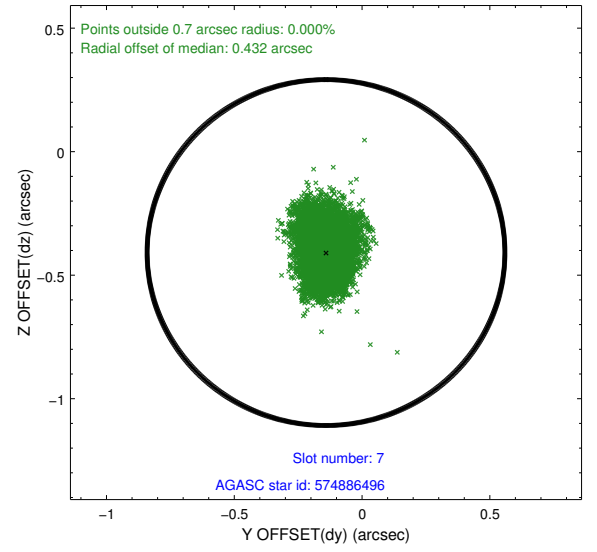
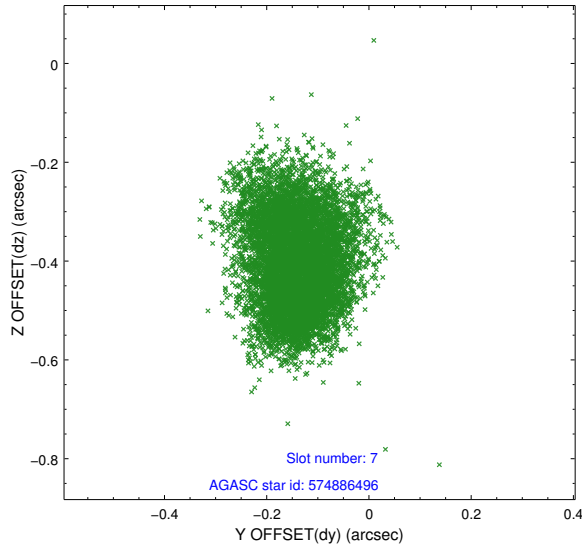
2.4.3 Slot 5



2.4.4 Slot 6

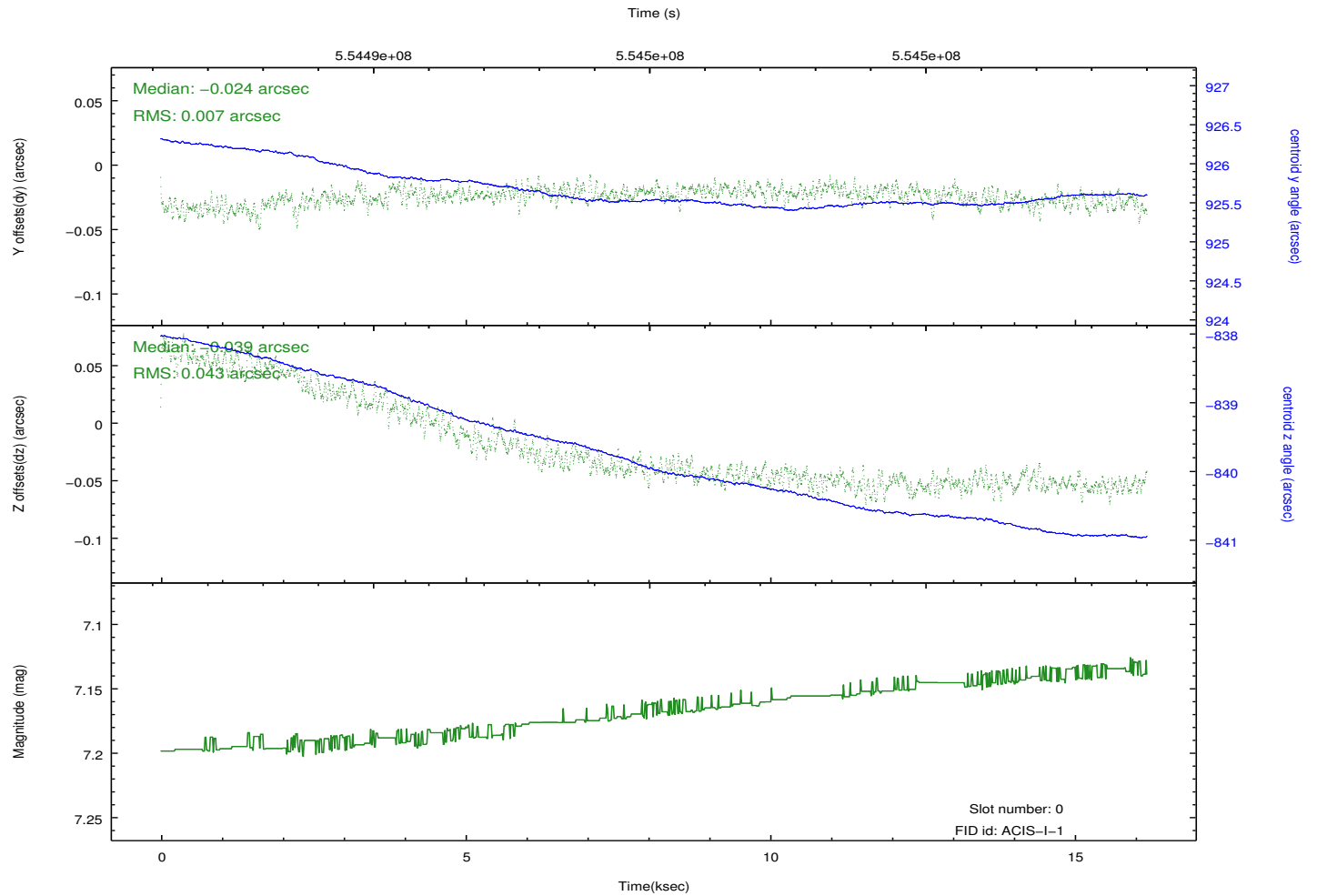
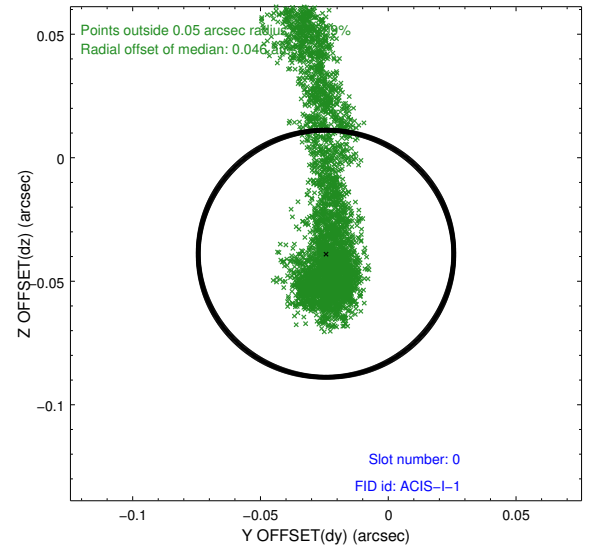
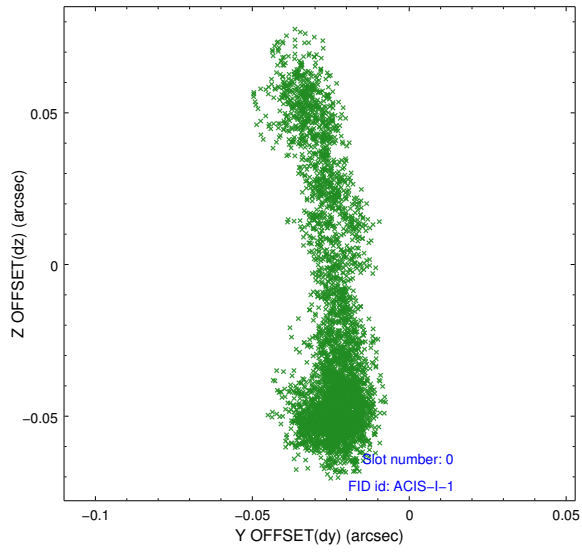


2.4.5 Slot 7

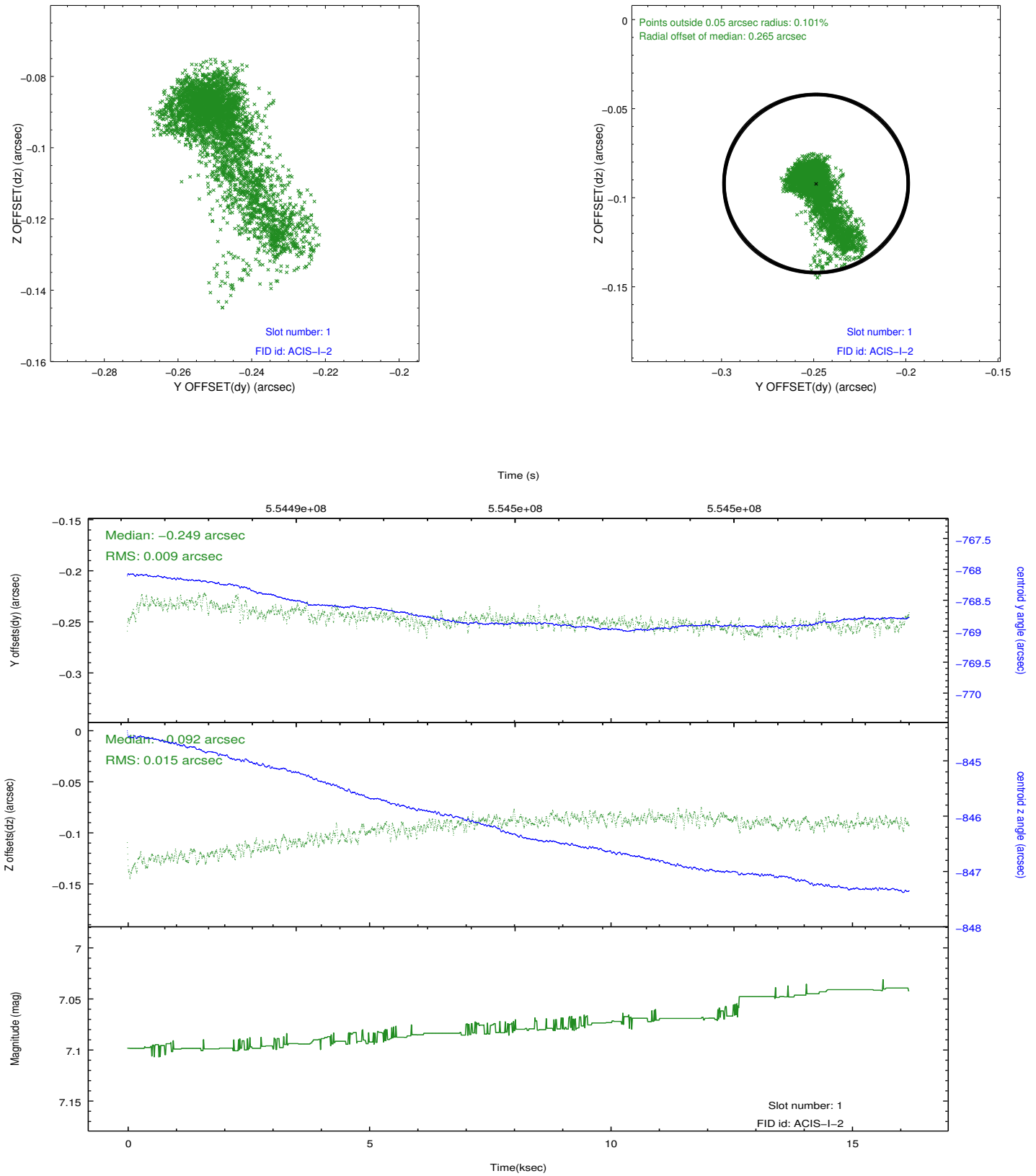


2.5 FID Slots

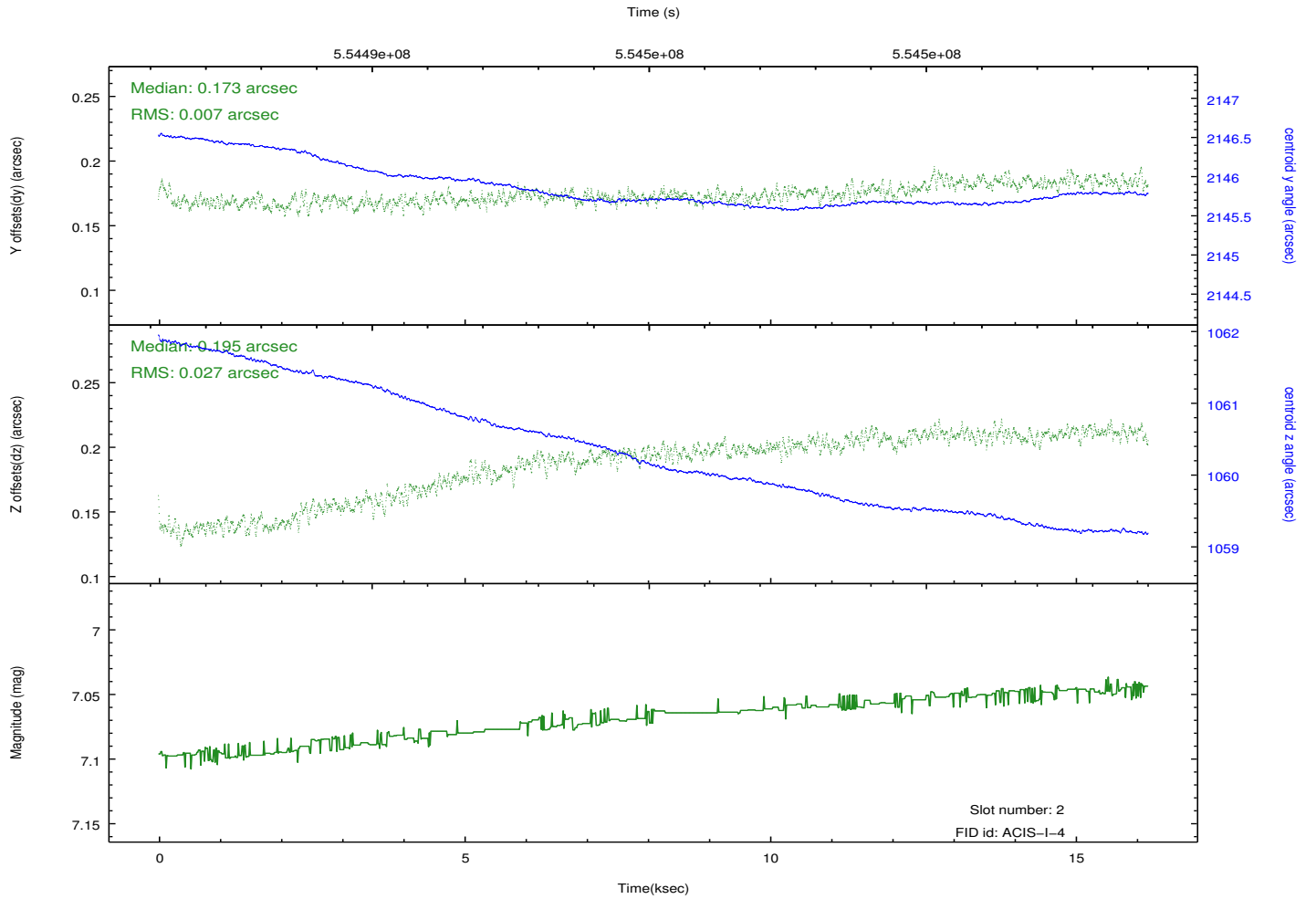
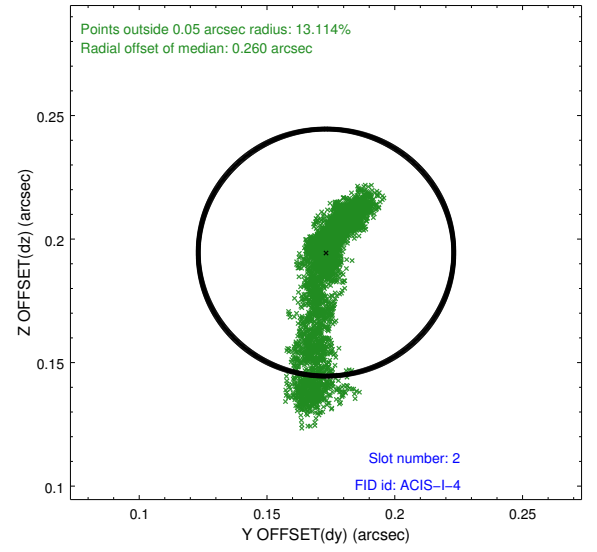
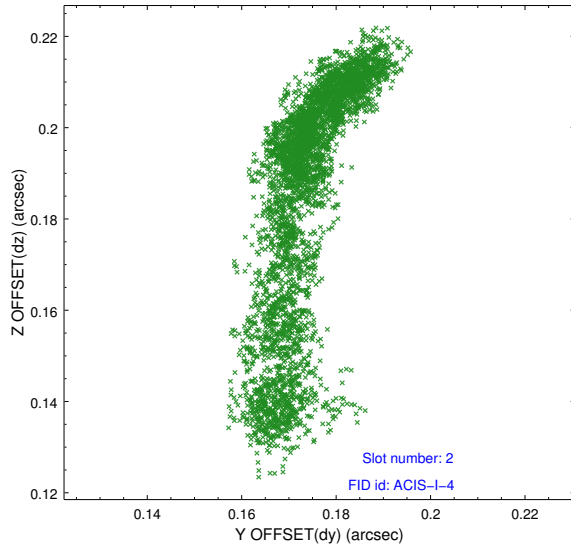
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.07.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.079700123787

A.2 Comments

Joint proposal with Suzaku.